



Section K

Site Integration

PROJECT MANAGERS

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INTRODUCTION

Site Integration consists of Project Baseline Summary (PBS) RL-SS01, Work Breakdown Structure (WBS) 3.4.1 (except for 3.4.1.3, 3.4.1.7, and 3.4.1.8). The five sub-projects addressed in Section K are:

- Planning and Integration (WBS 3.4.1.1)
- Environmental Compliance Program (WBS 3.4.1.2)
- Systems Engineering and Integration (WBS 3.4.1.4)
- Information Resource Management (WBS 3.4.1.5)
- Training (WBS 3.4.1.6)

NOTE: Cost/Schedule data contained herein is as of November 30, 2001. All other information is as of December 27, 2001 unless otherwise noted.

There are no milestones (EA, DOE-HQ, or RL) in Fiscal Year (FY) 2002 for this PBS.

NOTABLE ACCOMPLISHMENTS

PLANNING & INTEGRATION (P&I) WBS 3.4.1.1

RL ES&H Execution Commitment Summary — Strategic Planning and Integration submitted the consolidated contractor draft report to RL on November 30. The report provided a status of Environmental Safety and Health (ES&H) work commitments in the FY 2001 baseline plans and a summary of actual expenditures by ES&H functional area. In addition, the report identified FY 2002 ES&H work commitments, significant risks, highest ranking unfunded activities, and planned ES&H expenditures. The FY 2002 plan was based on contractor baselines, pending any required modifications associated with the final FY 2002 budget allocations. Submittal to DOE-HQ is due in late December 2001.

Richland Operations Summary Schedule — The RL contractors summary schedule of the FY 2002 Environmental Management Life-Cycle Baseline was updated to reflect minor baseline adjustments made since the last update of the schedule. This schedule is an electronic summarization of sub-project detail schedules, with the addition of activities for contingency and laundry assessments, which was not part of project performance baselines. The updated schedule was submitted December 14, and was included as part of the RL EM integrated baseline that will be displayed on the newly created RL web site.

Limited Fall Update of DOE-HQ's Integrated Planning, Accountability and Budgeting System (IPABS) — Based on final FY 2002/2003 funding allocations from DOE-HQ, Operational Planning is coordinating the update of budget information in IPABS. RL site contractors are updating scope narratives; milestones, metrics, and identifying updated budget authority allocations by category and subcategory. Initial updates were submitted to RL on December 13, 2001 with final updates to IPABS being submitted to HQ on December 17, 2001.

Business Management Oversight Process (BMOP) — Plans are underway to conduct the annual two-week RL review of Fluor's self-assessment, which was completed October 31, 2001. The FH self-assessment was performed pursuant to DOE Order 224.1, "Contractor Performance-Based Business Management Oversight Process."

Ongoing monthly requirements completed in this reporting period ^¾ The October-status "FH Projects" Performance Management Meeting (PMM), which focused on progress by the Spent Nuclear Fuel, River Corridor, Nuclear Materials Stabilization/Plutonium Finishing Plant, and Waste Management projects, along with the Fast Flux Test Facility, was held with RL the first week of December. Both

Contract-to-Date and Fiscal Year to Date performance was addressed in an effort to provide a more comprehensive view of FH's progress.

A restructuring effort regarding the FY 2002 PMMs is in its initial stages. FH and RL are reviewing various potential changes in both content and format for these monthly meetings. Implementation of a new format is slated for January 2002 reporting.

The monthly Environmental Management Performance Report (EMPR) submittal that included October 2001 cost/schedule data and other information was delivered to RL on December 12, 2001 and distributed to all other addressees in bound copy one day ahead of schedule on December 19, 2001. This report was organized to the new FY2002 Work Breakdown Structure.

Environmental Compliance Program (ECP) WBS 3.4.1.2

Combined Site-Wide Categorical Waste Discharge Permit Application — The combined Site-Wide Categorical Waste Discharge Permit Application was transmitted to the State of Washington Department of Ecology (Ecology) on November 29, 2001. This permit application was prompted by the need to renew State Waste Discharge Permit ST 4508, which expires May 30, 2002. By law, the renewal application must be submitted 180 days prior to the permit expiration date. Because of obvious similarities between the three existing permits and the associated cost efficiencies, it was decided to combine the categorical waste discharge permits. The fact that the remaining two permits will expire over the next two years was also a factor. The transmittal of the combined permit application completes FY 2002 deliverable number ECP-02-401.

RCRA 3016 Report — The final report on the 2002 Inventory of Federal Hazardous Waste Activities at Currently Owned or Operated Federal Facilities (RCRA 3016 Report) was completed and transmitted on November 19, 2001, one week ahead of schedule. The transmittal of the report completes FY 2002 deliverable number ECP-02-501.

Regulator Inspection Support — The following regulator facility inspections and follow-up to information and/or action requests were coordinated:

- Ecology inspection of all Washington State licensed diesel tanks at Hanford (November 12, 2001 — December 6, 2001).
- State of Washington Department of Health (WDOH) inspection of PFP ¾ WDOH began a Level II inspection of the PFP main stack, high-efficiency particulate air (HEPA) filters, monitoring and emission points. The inspectors are still reviewing records and procedures, and have requested copies of initiated work packages that were written to correct deficiencies (November 14, 2001).
- Ecology groundwater monitoring inspection closeout ¾ Ecology provided findings and concerns stemming from their yearlong groundwater monitoring inspection of the T, TX and TY Waste Management Areas. Ecology reviewed many documents and performed multiple Site inspections to come to their conclusions (November 20, 2001).
- Follow-up to Ecology Land Disposal Restriction (LDR) (November 20, 2001).
- WDOH inspection of Waste Receiving and Processing (WRAP) ¾ WDOH began a Level II inspection of WRAP, including HEPA filters, monitoring, and emission points (December 5, 2001).
- Ecology began an inspection of non-rad air emissions — Ecology inspected the 325 Facility, 300 Area internal combustion engine (3621 BC), 283-W water treatment facility (chlorine tanks), Central Waste Complex (CWC), WRAP, and the Johnson Controls Inc. (JCI) package boiler near PFP (December 10, 2001).

Class I Modification Response — The response on the Class 1 modification package (General Information Portion — DOE/RL-91-28, Rev.5), of the HF RCRA Permit was submitted to Ecology on September 10, 2000. Of the original 139 change forms that were submitted, all but 19 were approved. The 19 that were not approved will be delivered in the April 10, 2002 submittal.

Regulatory Assessment of Drilling Operations — A regulatory assessment was conducted for plans to drill outside the 377 Building for purposes of soil characterization prior to building deactivation. The determination was made that the drilling would require prior approval, and should be addressed as part of the request for clean air approval of potential radioactive airborne emissions from deactivation activities.

Systems Engineering and Integration (SE&I) WBS 3.4.1.4

SE&I's Technical Analysis Group worked with the FH Contracts Division to create a series of "linked" files that demonstrate flow down of the requirements from the FH Contract. This work will be placed on the FH Contract's web page in January 2002.

Furthermore, the FH Technical Analysis Group worked with PNNL providing data to support the development of the RL Life Cycle Baseline web page and also supported the limited budget update by working with the Projects and providing updated narratives as requested.

Work to incorporate the latest revision, Rev 2, of the Hanford Site Environmental Management Specification into the Hanford Site Technical Baseline continues.

The Technical Analysis Group is also working to develop worker population forecasts based on the life cycle baselines for RL and ORP. They are also collecting additional facility specific information to improve the life cycle baseline and integration with waste volume forecasts.

Information Resource Management (IRM) WBS 3.4.1.5

Correspondence Action Tracking System (CATS) replaced by e-STARS Software ¾ Both DOE-RL and DOE-ORP are now using e-STARS as the action tracking system for their correspondence control groups. The new system is web-based, and replaces CATS, which was a legacy Lotus Notes application.

Richland Budget System successful ¾ both the FY01 year-end processing and the FY02 start-up were successfully completed. Release version 3.0 is also now in testing.

Training WBS 3.4.1.6

HAMMER/Training Hazardous Waste Support ¾ Two hundred sixty seven students were trained in Hazardous Waste handling in November 2001. The National Institute of Environmental Health Sciences (NIEHS) Grantees provided ten 8-hour hazardous waste refresher classes. In addition, several special needs classes were offered:

- 40-hour hazardous waste Site worker, initial class for Bechtel Hanford, Inc.
- 24-hour hazardous waste, initial class for Spent Nuclear Fuels (SNF).

HAMMER/Training Respiratory Support ¾ One hundred eighty eight students were trained in Respiratory Protection. Seventeen respiratory protection refresher classes and 8 respiratory protection initial classes were conducted. Seven special respiratory protection initial classes were added, providing training for 55 individuals in time to meet work requirements.

HAMMER/Training Instructor Enhancement ¾ On November 14, 2001 a Worker Instructor Enhancement workshop was offered to HAMMER/Training instructors. Topics included respiratory protection, presentations, and question and answer periods by Joseph Samuels and Larry Smick regarding the Employee Job Task Analysis. There was also a presentation by a Department of Labor and Industries Washington Industrial Safety and Health Act safety consultant. The workshop included a field trip to the Whole Body Count work location. These workshops provide an important forum for the worker instructors to improve their knowledge and skills and share information with other worker instructors.

HAMMER/Training Support to Field ¾ To support an unusual need for the Hanford Patrol, Mask Fit personnel worked in the field to fit approximately 59 Protection Technology Hanford employees.

Occupational Safety and Health Training ¾ Four courses (with 48 students) were conducted on various hoisting and rigging topics. The fifth Nuclear Chemical Operator Core Fundamentals 5-week class scheduled for 2001 was completed. The exam performance of this class of 26 students was consistent with that of the smaller sized classes. This consistency validates the high quality of the hiring selection process for operator candidates.

Occupational Safety and Health Training ¾ Basic Medic First Aid Refresher training was one of the three top occupational safety and health classes attended in November. Ten sessions were held and a total of 130 students were trained. The Basic Medic First Aid Initial and Refresher classes have high attendance and receive positive student evaluations.

Emergency Preparedness (EP) Training ¾ HAMMER/Training supported the following EP activities:

- Building Warden Initial Training — 11 students
- Hanford Incident Command System Initial Training — 21 students
- Web-based refresher-training courses — 66 students

Nuclear Safety Training – Six Criticality Safety sessions were held with 30 students completing the training. Three students completed the Radiation Worker I course. Eighteen Radiation Worker II Retrain classes were held with 121 students completing the courses.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Nothing to report.

Opportunities for Improvement

Nothing to report.

UPCOMING ACTIVITIES

Planning & Integration

- Project Priority List (PPL) — January 2002 (specific due date to be established)

Environmental Compliance Program

- Annual Asbestos Notification of Intent — Due December 31, 2001
- Quarter 2 RCRA Permit Class I Modification Notification — Due January 2, 2002
- Quarter 2 NESHAP Status Report — Due January 28, 2002
- ST 4508 Log of Significant Discharges — Due January 31, 2002
- First Hanford Air Operating Permit Semi-Annual Report — Due February 15, 2002
- Annual Noncompliance Report — Due February 15, 2002

Systems Engineering & Integration

- Clarification of life cycle ownership for each of the buildings and waste sites on the Hanford Site — Due December 13, 2001

Information Resource Management

- Wireless Communications Plan — Due March 31, 2002
- Long Range Operating Plan — Due March 31, 2002

Training

- Completion of upgrades to Hanford General Education Training (HGET) on the WEB to ensure that all personnel can use this tool with no Courseware Management system related problems — Due December 31, 2001

MILESTONE ACHIEVEMENT

There are no milestones (EA, DOE-HQ, or RL) in FY 2002 for this PBS.

FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES **FY TO DATE STATUS – (\$000)**

By PBS	BCWS	BCWP	ACWP	SV	SV%	CV	CV%	BAC	EAC
3.4.1.1 P&I	608.4	617.5	435.7	9.1	2%	181.8	30%	3,989.2	3,989.2
3.4.1.2 ECP	1,447.2	1,447.2	1,219.2	0.0	0%	228.0	16%	9,297.3	9,297.3
3.4.1.4 SE&I	98.9	98.9	84.3	0.0	0%	14.6	15%	887.4	887.4
3.4.1.5 IRM	1,697.7	1,697.7	1,758.2	0.0	0%	-60.5	-4%	10,407.9	10,407.9
3.4.1.6 Training	779.7	801.5	957.6	21.8	3%	-156.1	-20%	5,171.0	5,171.0
	4,631.9	4,662.8	4,455.0	30.9	1	207.8	5%	29,752.8	29,752.8

*(Note: HANDI erroneously reflects \$-23.3K inventory cost in WBS 3.4.1.3, RL Directed Support. The error has been noted and the appropriate adjustments will be captured in next month's report)

FY TO DATE SCHEDULE / COST PERFORMANCE

All schedule variances in PBS RL-SS01 are within established thresholds. The \$0.2M (5 percent) favorable cost variance is discussed in Cost Variance Analysis portion of this report.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (\$0.03M)

All schedule variances are within established thresholds.

Cost Variance Analysis: (+\$0.21M)

PLANNING & INTEGRATION (+\$0.18M)

Description/Cause: The \$182K (30 percent) favorable cost variance is due to \$74.1K in reserve identified in the baseline, \$24.8K in accruals that were not booked in time to register in the system before final cost processing, reduced charges from System Engineering (\$23.5K), with the balance due to reduced G&A/SS associated with the above items and small underruns.

Impact: There is no significant project impact at this time.

Corrective Action: None at this time.

ENVIRONMENTAL COMPLIANCE PROGRAM (+\$0.23M)

Description/Cause: The \$228K (16 percent) favorable cost variance is due to delays in placing contracts and delays in replacing terminated staff.

Impact: There is no significant project impact at this time. The favorable variance will decrease as invoices are processed for FY 2001 contract accruals.

Corrective Action: None at this time.

SYSTEMS ENGINEERING AND INTEGRATION (+\$0.02M)

Description/Cause: The \$15K (15 percent) favorable cost variance is due to temporally reallocating resources to support indirect work scope.

Impact: As labor resources are reallocated to support direct funded SE&I work scope, the favorable cost variance is expected to dissolve by the end of the first quarter as evidenced by the variance dropping from 54 percent in October to the current 15 percent. As such, there is no significant project impact at this time.

Corrective Action: None at this time

INFORMATION RESOURCE MANAGEMENT (-\$0.06M)

The \$-61K (4 percent) cost variance is within established thresholds.

TRAINING (-\$0.16M)

Description/Cause: The \$-156K (-20 percent) unfavorable cost variance is due primarily to two factors. In October and November there was a greater than planned demand for training services, triggered by the hiring of additional Nuclear Chemical Operators. Furthermore, the Direct Distributable Rate revenue was understated by approximately \$93K due to an accounting entry error.

Impact: There is no significant project impact at this time.

Corrective Action: The accounting error has been corrected. The training services in question were provided via a Service Level Agreement, which will be monitored to assess the potential need for requesting additional funding from the project to underwrite the increased service demand.

ISSUES

TECHNICAL ISSUES

Integrated Lifecycle Baseline Validation Report — RL provided the U.S. Army Corps of Engineers (USACE) Pre-Decisional Draft of FHI Integrated Life-Cycle Baseline Independent Review Summary Report for comments. FH identified some areas where it appeared the USACE did not understand prior agreements between FH and RL. FH also expressed concern that the conclusions were based upon misunderstandings due to the lack of verbal communication between the USACE review team and FH. A redlined response to the Draft was returned to RL for consideration.

REGULATORY ISSUES

Land Disposal Restrictions Reporting ^{3/4} A response to Ecology's comment on DOE's CY 2000 Land Disposal Restrictions (LDR) Report was delivered October 29, 2001. In accordance with Tri-Party Agreement (TPA) protocol, Ecology responded in letter on November 28, 2001. Ecology's response stated that DOE's October 29, 2001 comment response was "inadequate" overall. Under the provisions of the TPA (Tri-Party Agreement, Article VIII and Section 9.2.1), Ecology invoked the dispute resolution process. Ecology's letter further stated that they "hope to resolve as many issues as possible at the project managers' level during the informal dispute resolution period. Ecology is prepared to discuss each inadequacy in detail at that time." The effect of Ecology's November 28, 2001 letter on the preparation of the CY 2001 LDR report will not be fully known until the particulars of Ecology's dissatisfaction with the CY 2000 LDR Report and the October 29, 2001 response to Ecology's comments are closer to resolution.

External and DOE Issues and DOE Requests

Issue: Nothing to report at this time.

BASLINE CHANGE REQUESTS CURRENTLY IN PROCESS

None to report.